



# CONSTRUCTION EQUIPMENT

## SWA329757-20 VOLVO L220H 2823 - TRANSMISSION (AUTO)



**Sample No:** VCP407429  
**Oil Type:** VOLVO AT 102  
**Job No:** SWA329757-20



### SAMPLE INFORMATION

Sample Number	<b>VCP407429</b>	VCP330988	VCP331225	VCP306388
Sample Date	<b>09 Sep 2023</b>	16 Sep 2022	02 Feb 2022	05 Aug 2021
Machine Hours	<b>9460</b>	7531	6156	5330
Oil Hours	<b>0</b>	0	0	1500
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**CALLANAN**  
 RT 32 677 FLATBUSH RD  
 EAST KINGSTON, NY  
 US 12401  
 Contact:



### OIL CONDITION

Visc @ 40°C	cSt	<b>28.0</b>	26.1	26.2	26.5
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T:  
F:



### CONTAMINATION

Silicon	ppm	<b>4</b>	4	4	3
Sodium	ppm	<b>3</b>	3	0	2
Potassium	ppm	<b>&lt;1</b>	0	2	<1

### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



### WEAR METALS

Iron	ppm	<b>103</b>	48	52	26
Copper	ppm	<b>17</b>	6	5	3
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	0	0
Aluminum	ppm	<b>4</b>	3	1	1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	<1	0	<1
Titanium	ppm	<b>&lt;1</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	1	1	<1
Vanadium	ppm	<b>&lt;1</b>	0	0	0



### ADDITIVES

Calcium	ppm	<b>409</b>	78	84	72
Magnesium	ppm	<b>11</b>	<1	<1	1
Zinc	ppm	<b>135</b>	0	5	0
Phosphorus	ppm	<b>276</b>	164	147	145
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>64</b>	64	74	87

**Depot:** CALEAS  
**Unique No:** 10655651  
**Signed:** Wes Davis  
**Report Date:** 20 Sep 2023

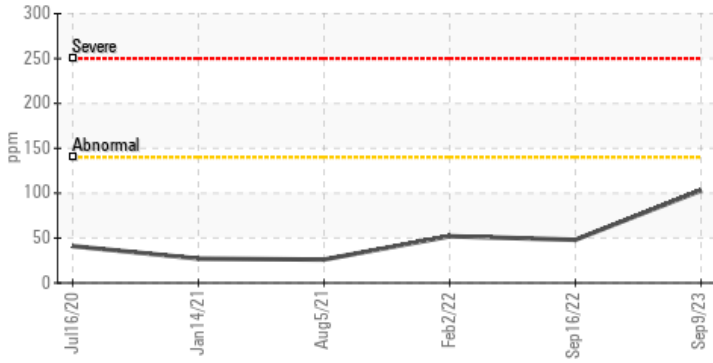


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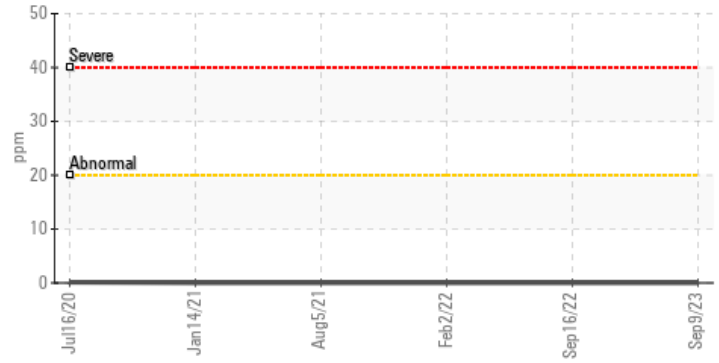


## VOLVO GRAPHS

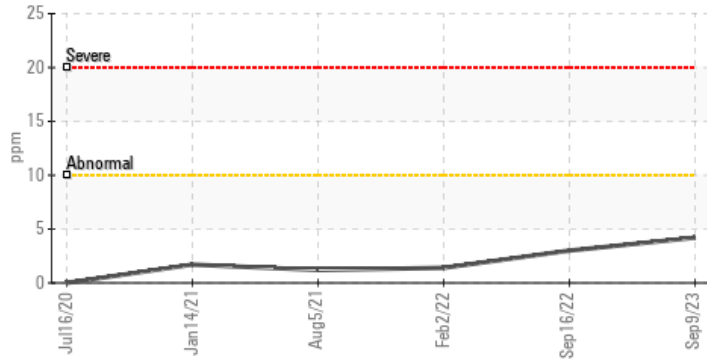
### Iron (ppm)



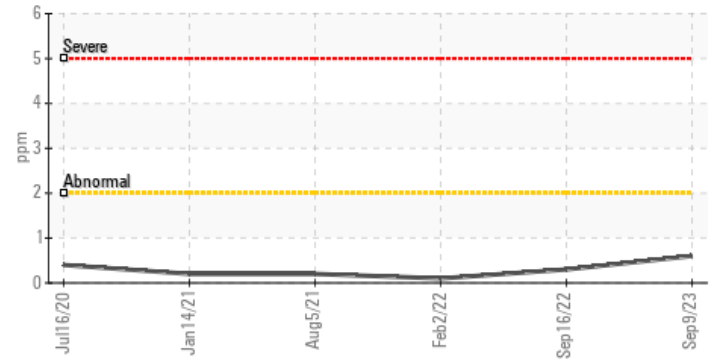
### Lead (ppm)



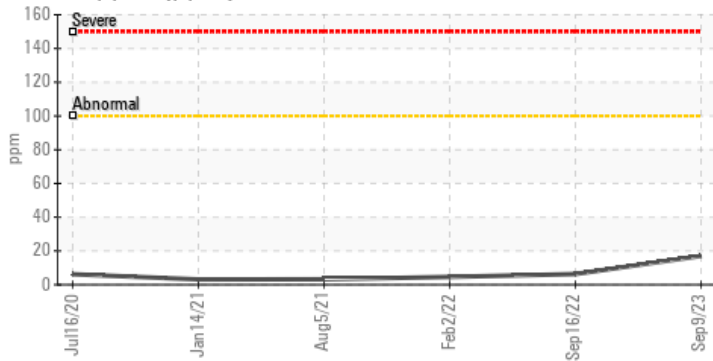
### Aluminum (ppm)



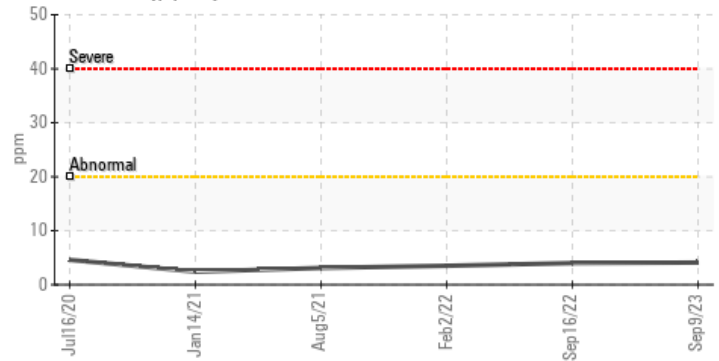
### Chromium (ppm)



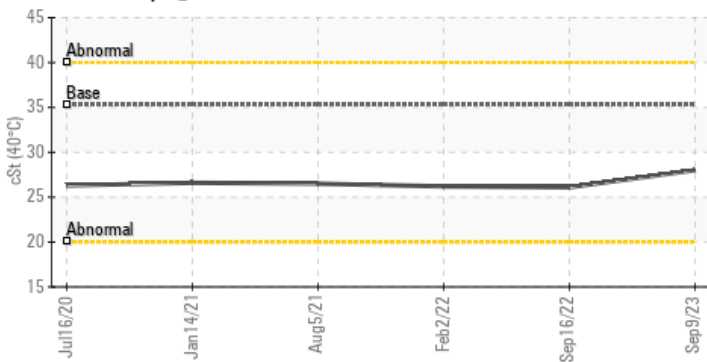
### Copper (ppm)



### Silicon (ppm)



### Viscosity @ 40°C



### Additives

